

### Amendments to the Claims:

This listing of claims will replace all prior versions and listings of the claims in this application:

#### **Listing of the Claims:**

1. (Currently Amended) A method for producing multi-color concrete, comprising ~~the steps~~ of:
  - (a) providing a first spray color dispersion comprising a pigment water dispersion and a polymer binding agent dispersed in water;
  - ~~(b) providing a polymer binding agent;~~
  - ~~(c) mixing the pigment water dispersion and the polymer binding agent to form a first spray color dispersion;~~
  - ~~(d)~~ (b) discharging a wet concrete mix from a vessel;
  - ~~(e)~~ (c) spraying the first spray color dispersion onto the wet concrete mix discharging from the vessel to form a pattern of applied color in the wet concrete mix; and
  - ~~(f)~~ (d) forming a resultant structure of cured concrete.
2. (Currently Amended) The method for producing multi-color concrete according to claim 1, wherein ~~the step of spraying includes~~ is carried out using at least one nozzle to spray the first spray color dispersion under pressure.
3. (Currently Amended) The method for producing multi-color concrete according to claim 1, further including ~~steps of~~ providing a second spray color dispersion comprising a pigment water dispersion and a ~~providing a second~~ polymer binding agent dispersed in water, ~~mixing the second pigment water dispersion and the second polymer binding agent to form a second spray color~~

~~dispersion~~, and spraying the second spray color dispersion onto the wet concrete mix.

4. (Currently Amended) The method for producing multi-color concrete according to claim 3, wherein ~~the steps of spraying comprise~~ is carried out using a plurality of nozzles, wherein at least one nozzle of the plurality of nozzles sprays the first spray color dispersion and at least one nozzle of the plurality of nozzles sprays the second spray color dispersion.

5. (Currently Amended) The method for producing multi-color concrete according to claim 1, including ~~the step of~~ controlling a color pattern using timers that control ~~controls~~ the ~~step of~~ spraying.

6. (Currently Amended) The method for producing multi-color concrete according to claim 5, wherein ~~the step of comprising~~ controlling the color pattern ~~includes by~~ spraying in pulses such that sprays of various lengths of time produce a ~~desired~~ pattern.

7. (Currently Amended) The method for producing multi-color concrete according to claim 1, wherein ~~the step of spraying includes~~ is carried out using at least one nozzle having a ~~desired~~ flow pattern.

8. (Currently Amended) The method for producing multi-color concrete according to claim ~~1~~ 7, wherein the ~~step of spraying including use of at least one nozzle includes using at least one nozzle that produces a~~ the flow pattern is selected from the group consisting of a solid cone, a hollow cone, ~~or~~ and a flat spray.

9. (Currently Amended) The method for producing multi-color concrete according to claim 1, wherein ~~the step of spraying includes~~ is carried out by spraying in the form of a stream.

10. (Currently Amended) The method for producing multi-color concrete according to claim 1, wherein ~~the step of spraying includes~~ is carried out by using at least one spray nozzle and varying the distance ~~distances~~ between the at least one nozzle and the wet concrete mix.

11. (Currently Amended) A method for producing multi-color concrete, comprising ~~the steps~~ of :

- (a) providing a first spray color dispersion comprising a pigment water dispersion and a polymer binding agent dispersed in water;
- ~~(b) providing a polymer binding agent capable of integrally binding with wet concrete mix to form an irreversible integral structure of the pigment and the concrete;~~
- ~~(c) mixing the pigment water dispersion and the polymer binding agent to form a first spray color dispersion;~~
- ~~(d)~~ (b) discharging a wet concrete mix from a vessel;
- ~~(e)~~ (c) spraying the first spray color dispersion onto the wet concrete mix discharging from the vessel to form a pattern of applied color in the wet concrete mix; ~~and~~
- (d) binding the polymer binding agent with the wet concrete mix; and
- ~~(f)~~ (e) curing the ~~forming a resultant structure of cured~~ concrete;

whereby a resultant polymer structure is insoluble in water and remains as part of the cured concrete, thereby preserving the integrity of the pattern of applied color highlight.

12. (Currently Amended) The method for producing multi-color concrete according to claim 11, wherein ~~the step of providing the polymer binding agent~~ is includes providing the polymer binding agent selected from the group consisting ~~essentially of at least one~~ of water borne urethane, acrylic emulsions, water soluble acrylic polymers, water soluble vinyl acetate, acrylic colloids, styrene acrylic resins, styrene acrylic ~~resins~~ resin solutions, ~~and~~ acrylic copolymer latexes, and mixtures thereof.

13. (Original) The method for producing multi-color concrete according to claim 11, wherein ~~the step of mixing the first spray color dispersion~~ further includes ~~mixing~~ at least one filler to produce a desired effect.

14. (Original) The method for producing multi-color concrete according to claim 11, wherein ~~the step of spraying~~ includes is carried out by using at least one nozzle to spray the first spray color dispersion under pressure.

15. (Original) The method for producing multi-color concrete according to claim 11, further ~~including steps of~~ comprising:

- (a) providing a second pigment water spray color dispersion comprising a pigment and a  
, providing a second polymer binding agent dispersed in water, wherein said , and mixing  
the second pigment water dispersion and the second polymer binding agent to form a  
second spray color dispersion is different from said first spray color dispersion;
- (b) spraying the second spray color dispersion onto the wet concrete mix discharging

from the vessel to form a pattern of applied color in the wet concrete mix;

(c) binding the polymer binding agent with the wet concrete mix; and

(d) curing the concrete.

16. (Currently Amended) The method for producing multi-color concrete according to claim 15, wherein ~~the steps of spraying comprise~~ is carried out using a plurality of nozzles, wherein at least one nozzle of the plurality of nozzles sprays the first spray color dispersion and at least one nozzle of the plurality of nozzles sprays the second spray color dispersion.

17. (Currently Amended) The method for producing multi-color concrete according to claim 11, ~~including further comprising the step of~~ controlling a color pattern using timers that control the ~~step of~~ spraying.

18. (Currently Amended) The method for producing multi-color concrete according to claim 17, wherein ~~the step of controlling the color pattern includes~~ is carried out by spraying in pulses such that sprays of various lengths of time produce a ~~desired~~ pattern.

19. (Currently Amended) The method for producing multi-color concrete according to claim 11, wherein ~~the step of spraying includes~~ is carried out using at least one nozzle having a ~~desired~~ flow pattern.

20. (Currently Amended) The method for producing multi-color concrete according to claim ~~11~~ 14, wherein the ~~step of spraying including use of at least one nozzle includes using~~ at least one

nozzle ~~that~~ produces a pattern selected from the group consisting of a solid cone, a hollow cone, or a flat spray.

21. (Currently Amended) The method for producing multi-color concrete according to claim 11, wherein ~~the step of spraying includes~~ is carried out by spraying in the form of a stream.

22. (Currently Amended) The method for producing multi-color concrete according to claim ~~11~~ 14, wherein ~~the step of spraying includes~~ further comprising varying the distance ~~distances~~ between the at least one nozzle and the wet concrete mix.

23. (Currently Amended) The method for producing multi-color concrete according to claim 11, wherein the ~~step of providing a pigment water dispersion includes~~ ~~comprises~~ providing a pigment ~~comprises~~ in a range of about 2% to about 60% by weight of the first spray color dispersion.

24. (Currently Amended) The method for producing multi-color concrete according to claim 11, wherein the ~~step of providing the polymer binding agent includes~~ ~~providing the polymer binding agent~~ in a range of comprises about 1% to about 60% by weight of the first spray color dispersion.

25. (Withdrawn) A system for coloring concrete, comprising:

- (a) at least one vessel containing a spray color dispersion, said spray color dispersion comprising a pigment water dispersion and at least one polymer binding agent, the at least one polymer binding agent capable of reacting with wet concrete mix to form an irreversible integral structure of the pigment and the concrete;

- (b) a spray gun associated with each vessel, each spray gun connected to its associated vessel by a conduit;
- (c) a pump associated with each vessel to move the spray color dispersion contained in the vessel to the spray gun associated with the vessel;
- (d) an apparatus for moving fresh concrete relative to each spray gun; and
- (e) a controller for controlling spraying of the spray color dispersion in each vessel through each spray gun.